: SADDLE FITTING, AFT (OUTBOARD/INBOARD)

Date:

Monday, 2/27/2006 4:22:13 PM

User

Process Sheet

Customer Job Number

: CU-DAR001 Dart Helicopters Services

: 25999

: 10534

P.O. Number This Issue

Estimate Number

:NIA

: 2/27/2006

S.O. No. : NIA

Prsht Rev. First Issue · NC · NIA

: 25862

Type

: MACHINED PARTS

Part Number

Due Date

Drawing Name

: D2574 - D2574 REV E

Drawing Number : N/A **Project Number**

Drawing Revision Material

: E :NIA

: 3/15/2006

Qtv:

8 Um:

Each

Previous Run Written By

Checked & Approved By

Comment

Additional Product

Job Number:



Seq. #:

1.0

Machine Or Operation:

Description: 7075-T7351 8.25X5.0X2.5

D6101005

Comment: Qty...

8.0000 Each(s) Total:

7075-T7351 8.25X5.0X2.5

Make from D6101-005 billet for D2574 Ensure that grain is along 5.00" length

1.0000 Each(s)/Unit

Batch No: 324069

06/08/69

2.0

HAAS1



Comment: HAAS CNC VERTICAL MACHINING #1

Program Batch No. 2575 Double check by: MS

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets 2-Machine Step No 2 per

Folio FA051 and inspect per attached Dimension Sheets

3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets

4-Deburr and remove all machining marks

5-Tumble to remove sharp edges.

3.0

MILLING CONV.

CONVENTIONAL MILLING MACHINE



Comment: CONVENTIONAL MILLING MACHINE

Machine keyway as per dwg D2573 & D2574

∕J.G

06/03/11

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE



06/03/11

REFERENCE ONLY

Monday, 2/27/2006 4:22:14 PM Date: **Process Sheet** Úser: Kim Johnston Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD) Customer: CU-DAR001 Dart Helicopters Services Part Number: D2574 Job Number: 25999 Job Number: Description: Seq. #: **Machine Or Operation:** SECOND CHECK 5.0 QC8 Comment: SECOND CHECK HAND FINISHING RESOURCE #1 HAND FINISHING1 6.0 Comment: HAND FINISHING RESOURCE #1 060314 Acid etch and Alodine as per QSI 005 4.1 POWDER COATING POWDER COATING 7.0 Comment: POWDER COATING Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION 8.0 QC3 Comment: INSPECT POWDER COAT PACKAGING RESOURCE #1 9.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock 57480 Location: DOCUMENT CONTROL 10.0 DC Comment: DOCUMENT CONTROL Inspection Level 21 Ule. 53-1 Job Completion

DART AEROSPACE LTD	Work Order:	25999
Description: Saddle, Aft Inboard	Part Number:	D2574
Inspection Dwg: D2574 Rev. E		Page 1 of 1

				Red	corded Actu	ıal Dimensio	ons		
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	DT8682	0.438	0.438	6.438	e.4) &		
В	1.745	1.755		1.75	1.751	1.750	1,749		
Ċ	3.495	3.505		3 . 4 9 9	3.499	3-498	3-499		
D	1.745	1.755		1.751	1.750	1-749	1,749		
E	7.990	8.010		8.003	8-003	8.004	8.003		
F	0.490	0.510		0-501	0-501	0.502	0-503		
G	0.257	0.262	DT8683	0-257	6.257	6.257	0257		
H	0.375	0.380	DT8684	0-375	6 375	6.375	0.375		
1	0.490	0.510		0.500	0-S00	0.501	0-501		
J	1.174	1.184		1.177	1.177	1-177	1,177		
K	0.558	0.578		0-568	0.569	0.568	6.568		
L	1.174	1.184		1-177	1.177	1-177	1.127		
М	1.365	1.375		1.372	1,373	6.372	1.371		
N	2.495	2.505		2.501	2.500	2.501	2.500		
0	4.119	4.129		4.122	4,122	4.123	4,124		
Р	0.115	0.135		0-129	0-129	0.128	0.177		
Q	0.115	0.135		0.136	e-130	0.249	6-130 C.748		
R	0.240	0.260		0.251		0-249			
S	0.115	0.135		0.130	0.129	0.138	0.127		
Т	0.178	0.198		6.188	0-188	9,32)	3.220		
U	3.210	3.250			3.220	(3. 32)	9.200		
V	0.230	0.250		0.235		0,334	0.235		
W	0.115	0.135		0.130	0.131	0,130			
X	0.307	0.312		e-310		0.310	8.3/0		
Y	0.760	0.765		6-760	6.760	0.760	0.760		
Z	0.352	0.372		0.362	0.362	0.361	0.363		
AA	0.470	0.530		0-500	0500	0-500	6-1-08		
AB	0.615	0.635		0-628	0.637	0-636	0.625	-	
AC	0.053	0.073		0.063	0.063	0.063	0.663	 	
AD	0.240	0.260		0.251	0.350	0.244			
AE	1.500	1.520		1.508	1.513		1,514		
AF	0.115	0.135		0.130	0.130	6 130	0./36	-	
AG	0.240	0.280		0-260	0.260	0.250	0.266		
AH	0.240	0.260		0-255	0.254			-	
Al	2.000	2.020		W14	WIX	wla	WLA	 	
AJ	0.023	0.043	L	0.030	0.030	0.030	0.039		
	Ac	cept/Reje	ct				l	<u></u>	

Measured by: 3.6	Audited by	22
Date: 06/03/12	Date:	06/03/12.

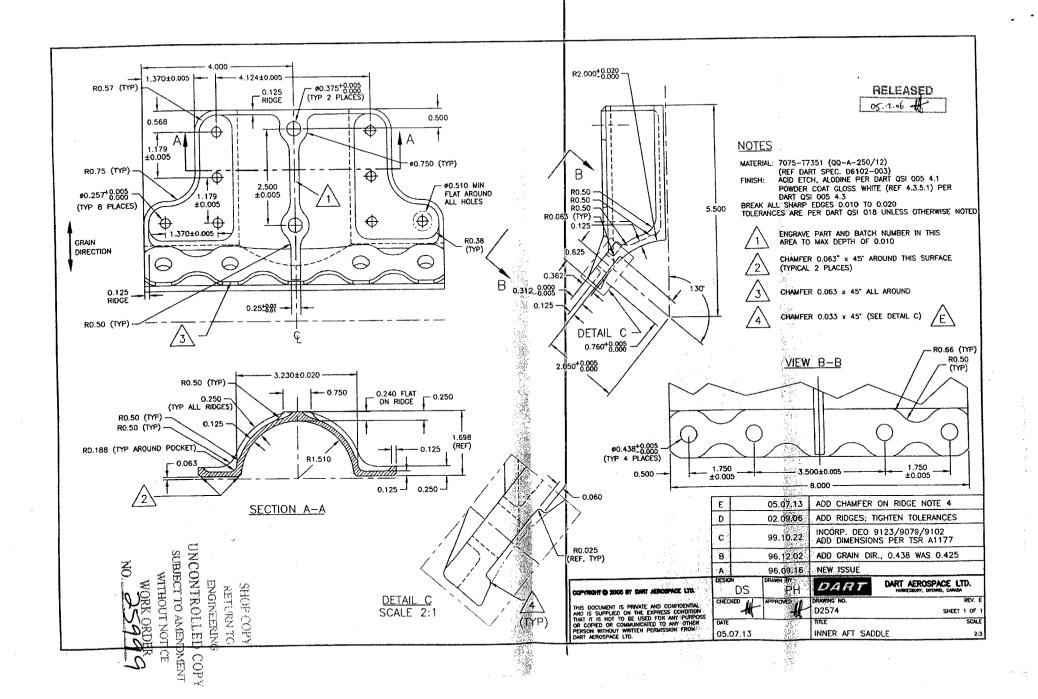
Date	Change	Revised by	Approved
	New Issue	RF	
02 09 27	Re-format: Added Rev. D	KJ	
	Re-format: Added DT8682, DT8683, DT8684	KJ	
		KJ/RF	
		KJ/JLM	
(Date 02.09.27 02.10.11 05.05.05 05.12.05	New Issue 02.09.27 Re-format; Added Rev. D 02.10.11 Re-format; Added DT8682, DT8683, DT8684 05.05.05 Added dimension Al	New Issue RF 02.09.27 Re-format; Added Rev. D KJ 02.10.11 Re-format; Added DT8682, DT8683, DT8684 KJ 05.05.05 Added dimension Al KJ/RF

DART AEROSPACE LTD	Work Order:	25999
Description: Saddle, Aft Inboard	Part Number:	D2574
Inspection Dwg: D2574 Rev. E		Page 1 of 1

				Red	Recorded Actual Dimensions				
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
A	0.438	0.443	DT8682	0.438	6-438	6.43%	0.438		
В	1.745	1.755		1 ライフ	1,747			·	
C	3.495	3.505		3.500	3.500	3-501	3-502		
D	1.745	1.755		1.747	1 . 747	1-746	1-746		
E	7.990	8.010		8,000	8-003	8.003	8-003		
F	0.490	0.510		0.500	0-501	6-502	0.501		
G	0.257	0.262	DT8683	0-257	0.257	0-257	0.257		
Н	0.375	0.380	DT8684	6.375	6375	375	6375		
I	0.490	0.510		0 501	0.501	0.500	0.499		·
j	1.174	1.184		1-177	1-177	1.117			
K	0.558	0.578		0.569		0-568	0.568		
L	1.174	1.184		1-177	1,177	1.177	1-176		
М	1.365	1.375			1.371	1-372	1-373		
N	2.495	2.505		2.498	2.499	2.498	2-498		
0	4.119	4.129		4-122	4-122	4)-192	4.122		
Р	0.115	0.135		0.131		0.136	0-136		
Q	0.115	0.135		0-130	6.130	0-/30	0.130		
R	0.240	0.260		0.254	0.753	0.351	0.752		
S	0.115	0.135		0-131	0.130	0-130	D_139		
T	0.178	0.198		6-198	6./93	0.188	3-231		
Ū	3.210	3.250		3.250		3-221	3-391		
V	0.230	0.250		6.234		0,234	0. 231		
W	0.115	0.135			0.127	0.128	0-127		
X	0.307	0.312		0.310	6-310	0.310	0.3/0		
Υ	0.760	0.765		6-760	0-760	0.760	0.760		
Z	0.352	0.372		0.362	0.367	0.361	0-362		
AA	0.470	0.530		6-500	0-500	0500	0.500		
AB	0.615	0.635			0.627	0.698	0.627		
AC	0.053	0.073		0.063	0.063	0.063	0-063		
AD	0.240	0.260		0,249	0-247	0-048	0.249		
ΑE	1.500	1.520		1.514	1-513	1.517	1.513		
AF	0.115	0.135		0-130	6.130		0.736		
AG	0.240	0.280		6760	0.260	0.260	0.266		
АН	0.240	0.260		0-250	0.249	0.249	0.249		
ΑI	2.000	2.020		WIA	NIA	NIA	NIA		
AJ	0.023	0.043		0.030	0.030	0-030	0-030		
	Acc	ept/Reje	ct						

Measured by:	Audited by	47	
Date: 06/03/13	Date:	06-03.1	3

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.27	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	
F	05.12.05	Added dimension AJ	KJ/JLM	



Dart Ae	rospace	Ltd							
W/O:			WC	RK ORDER CHANGES					
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		·							
Part No	:	PAR #:	Fault Cateo	gory: N	ICR: Yes	No DQ/	A: 2	Date:	<u> </u> \displays 6
NCR:		1	WORK ORDE	R NON-CONFORMANO	CE (NCF	R)			
		Description of NC		Corrective Action Section B		Verific	ration	Approval	Annroyal
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Secti		Approval Chief Eng	Approval QC Inspector
			,						
							,		
							·		
								- :	

NOTE: Date & initial all entries

: SADDLE FITTING, AFT (OUTBOARD/INBOARD)

Date

Monday, 2/27/2006 4:22:13 PM

User:

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

S.O. No. :

Job Number **Estimate Number** : 25999

P.O. Number

: 10534

This Issue

: 2/27/2006

: NC Prsht Rev. First Issue

: //

: 25862

: MACHINED PARTS Type

Part Number

Drawing Name

: D2574

Drawing Number

: D2574 REV E

Project Number **Drawing Revision**

: N/A : E

Material

Due Date

: 3/15/2006

Qty:

8 Um:

Each

Written By

Previous Run

Checked & Approved By Comment

: Est Rev: I

As Per RevE

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

D6101005 1.0

7075-T7351 8.25X5.0X2.5



Comment: Qty.:

1.0000 Each(s)/Unit Total:

8.0000 Each(s)

Make from D6101-005 billet for D2574

Ensure that grain is along 5.00" length

Batch No: 324069

En 06/03/09

2.0

HAAS1

Comment: HAAS CNC VERTICAL MACHINING #1

Program Batch No. 25479 Double check by: MS

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets 2-Machine Step No 2 per

Folio FA051 and inspect per attached Dimension Sheets

3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets

4-Deburr and remove all machining marks

5-Tumble to remove sharp edges.

3.0

MILLING CONV.

CONVENTIONAL MILLING MACHINE





Comment: CONVENTIONAL MILLING MACHINE

Machine keyway as per dwg D2573 & D2574

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE



06103113

66 103/13

Page 1

Dart Ae	rospace Li	td							
W/O:			WC	RK ORDER CHANGE	S				
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			,						
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	_ Date: _	
					QA: N	C Close	d:	_ Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	Sign & Date		cation on C	Approval Chief Eng	Approval QC Inspector
							į		·

NOTE: Date & initial all entries

Date: Monday, 2/27/2006 4:22:14 PM User: Kim Johnston **Process Sheet** Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD) Customer: CU-DAR001 Dart Helicopters Services Job Number: 25999 Part Number: D2574 Job Number: Seq. #: Description: **Machine Or Operation:** QC8 SECOND CHECK 5.0 Comment: SECOND CHECK HAND FINISHING1 HAND FINISHING RESOURCE #1 6.0 Comment: HAND FINISHING RESOURCE #1 Acid etch and Alodine as per QSI 005 4.1 7.0 POWDER COATING POWDER COATING Comment: POWDER COATING Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION 8.0 QC3 Comment: INSPECT POWDER COAT 9.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1

DOCUMENT CONTROL

Identify and Stock

Location:

DC

10.0

Comment: DOCUMENT CONTROL Inspection Level 21

Job Completion



Dart Ae	rospace	e Ltd							
W/O:			WO	RK ORDER CHANGES					,
DATE	STEP	PRO	OCEDURE CHAP	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
.•									
	·								
Part No	•	PAR #:	Fault Categ	ory: N	ICR: Yes	lo DQA	\;	_ Date: _	
					QA: N/	C Closed	l :	_ Date: _	
NCR:			WORK ORDE	R NON-CONFORMAN	CE (NCR)				
		Description of NC			Verification		Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section		Chief Eng	QC Inspector
							i		
									·

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	25999
Description: Saddle, Aft Inboard	Part Number:	D2574
Inspection Dwg: D2574 Rev. E		Page 1 of 1

· ·				Re					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	DT8682	0.438	0.438	6.438	8 (4.0	1	
В	1.745	1.755							
С	3.495	3.505							
D	1.745	1.755							
Е	7.990	8.010							
F	0.490	0.510							
G	0.257	0.262	DT8683	0.257	6.257	6.257	0.257		
Н	0.375	0.380	DT8684	0-375	6.375	6.375	0.375		
1	0.490	0.510							
J	1.174	1.184							
K	0.558	0.578							
L	1.174	1.184							
М	1.365	1.375							
N	2.495	2.505							
0	4.119	4.129							
Р	0.115	0.135	3.00						***************************************
Q	0.115	0.135		0.136	6-130	0130	6-130		
R	0.240	0.260							
S	0.115	0.135							******
Т	0.178	0.198		6.188	0-188	6-198	0-188		
U	3.210	3.250							
V	0.230	0.250							
W	0.115	0.135							
Х	0.307	0.312		6-310	0-310	0.310	0.310		
Υ	0.760	0.765		0.760	0-760	0.760	0.760		
Z	0.352	0.372			1				
AA	0.470	0.530		0-500	0500	0-500	0-1-08		
AB	0.615	0.635							
AC	0.053	0.073		0.063	0-063	0.067	0.663		
AD	0.240	0.260							
AE	1.500	1.520							
AF	0.115	0.135		ø·130	01/30	6.130	0.136		
AG	0.240	0.280			0.260	0.260	0.266		
AH		0.260				<u> </u>			
Al	2.000	2.020		WIA	WIA	Wla	WLA		
AJ	0.023	0.043	····-	6.630	0.030	0.036	0.030		
	Acc	ept/Reje	ct	1 2 2 2 2					

Measured by:		Audited by	
Date:		Date:	

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.27	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	
Ε	05.12.05	Added dimension AJ	KJ/JLM	

DART AEROSPACE LTD	Work Order:	25999
Description: Saddle, Aft Inboard	Part Number:	D2574
Inspection Dwg: D2574 Rev. E		Page 1 of 1

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	DT8682	0.438	6-438	6.438	0.438		
В	1.745	1.755			<u> </u>				
	3.495	3.505							
D	1.745	1.755							
E	7.990	8.010							
F	0.490	0.510							
G	0.257	0.262	DT8683	0-257	0.257	0-257	0.257		
Н	0.375	0.380	DT8684	p.375		0.374			
Ī	0.490	0.510							
J	1.174	1.184							
K	0.558	0.578	- *						
L	1.174	1.184							
М	1.365	1.375							
N	2.495	2.505							
0	4.119	4.129							
Р	0.115	0.135							
Q	0.115	0.135		0-130	6.130	s-/30	0.130		
R	0.240	0.260				37.30			
S	0.115	0.135							
Т	0.178	0.198		6-198	6./88	(1.188)	6-188		
U	3.210	3.250							
V	0.230	0.250							
W	0.115	0.135							
X	0.307	0.312		10:3/0	6-310	0.310	9.3/0		
Y	0.760	0.765	* *	6.760	0-760		0.760		
Z	0.352	0.372			- 10,	- / 9			
AA	0.470	0.530		6-500	0-500	0500	0.500		
AB	0.615	0.635			J = ¥	,	1		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		<u> </u>	<u> </u>		0.000		
AE	1.500	1.520							
AF	0.115	0.135		0-130	6.174	0./30	0.736		
AG	0.240	0.280		0-260	0.560	0.260	0.266		
AH	0.240	0.260	•	1 200					
Al	2.000	2.020		WIA	WIA	NIA	NIA		
AJ	0.023	0.043		0.030	0.030		0-030		
		ept/Reje	ct	· · · · · · · · · · · · · · · · · · ·	2:2 30	_ <u> </u>	3-230		

Measured by:	Audited by	
Date:	Date:	

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.27	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

